

Abstract of the Disclosure:

An acquisition method for identifying a transmitter, and a correlator for carrying out the method includes correlating a received binary-coded spread sequence having m bits at a frequency f with a locally generated spread sequence by phase-shifting a multiplicity of locally generated spread sequences with respect to the received spread sequence, where f is the frequency of the incoming spread sequence. The received spread sequence is correlated with a locally generated spread sequence at the frequency f . The received spread sequence is stored and the stored, received spread sequence is processed at an oversampling rate $i*f$. The received, stored spread sequence is split into i sections and the correlation is carried out in i steps. The correlator includes a shift register with feedback. Register positions of the shift register are connected in parallel to a memory input, and the memory output is connected in parallel with the register positions. A further memory holds reference signal sequences and a comparator compares the memory content with further memory content.

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